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| (21) International Application Number: PCT/US92/01286<br>(22) International Filing Date: 14 February 1992 (14.02.92)<br>(30) Priority data:<br>662,290                      27 February 1991 (27.02.91)    US<br>(71) Applicant: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA [US/US]; 300 Lakeside Drive, 22nd Floor, Oakland, CA 9462-3550 (US).<br>(72) Inventors: HEEGER, Alan, J. ; 1042 Los Altos Road, Santa Barbara, CA 93103 (US). BRAUN, David ; 7640 Cathedral Oaks #12, Goleta, CA 93117 (US). |    | (74) Agent: BENZ, William, H.; Morrison & Foerster, 545 Middlefield Road, Suite 200, Menlo Park, CA 94025 (US).<br>(81) Designated States: AT, AT (European patent), AU, BB, BE (European patent), BF (OAPI patent), BG, BJ (OAPI patent), BR, CA, CF (OAPI patent), CG (OAPI patent), CH, CH (European patent), CI (OAPI patent), CM (OAPI patent), CS, DE, DE (European patent), DK, DK (European patent), ES, ES (European patent), FI, FR (European patent), GA (OAPI patent), GB, GB (European patent), GN (OAPI patent), GR (European patent), HU, IT (European patent), JP, KP, KR, LK, LU, LU (European patent), MC (European patent), MG, ML (OAPI patent), MN, MR (OAPI patent), MW, NL, NL (European patent), NO, PL, RO, RU, SD, SE, SE (European patent), SN (OAPI patent), TD (OAPI patent), TG (OAPI patent).<br><br>Published<br>With international search report. |
| (54) Title: VISIBLE LIGHT EMITTING DIODES FABRICATED FROM SOLUBLE SEMICONDUCTING POLYMERS<br><br>(57) Abstract<br><br>Visible light LEDs are produced having a layer of conjugated polymer which is cast directly from solution or formed as a gel-processed admixture with a carrier polymer. The LEDs can be formed so as to emit polarized light.  |    |  |